

AF/GP3738

#19

Amold E (N.E.)
J. Byce

215/01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Carlyle et al.

Serial No.: 09/014,087

Filed : January 27, 1998

For : BIOPROSTHESIS WITH ASSOCIATED
GROWTH FACTORS

Docket No.: S16.12-0062



Group Art Unit: 3738

Examiner: P. Prebilic

AMENDMENT AFTER FINAL

Box AF

Assistant Commissioner for Patents
Washington, D.C. 20231

I HEREBY CERTIFY THAT THIS PAPER IS BEING
SENT BY U.S. MAIL, FIRST CLASS, TO THE
ASSISTANT COMMISSIONER FOR PATENTS,
WASHINGTON, D.C. 20231, THIS

29 DAY OF January, 2001.

Usala C. Glosowicz
PATENT AGENT

Sir:

In response to the Office Action mailed on November
30, 2000, please enter the following amendments and consider the
following remarks.

IN THE CLAIMS

1. (Four times Amended) A prosthesis for a human patient
comprising allograft or xenograft tissue having a polypeptide
growth factor associated therewith by a biologic adhesive
covalent bonding using crosslinking agents comprising a plurality
of functional groups with same functionalities, [or noncovalent
bonding characteristic of] antibody-antigen associations, specific
binding protein-receptor associations [and] or enzyme substrate
associations, said polypeptide growth factor being effective to
stimulate the affiliation of viable cells with said tissue.

14. (Four times amended) A prosthetic heart valve comprising
a substrate with associated VEGF, wherein said VEGF is associated
with the substrate by direct attachment, a biologic adhesive,

Do Not
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